

Mathematics, Physics & Computer Science Seminar Series

10 May 2023, 4:30PM, Meeting room nr. 300, Komenského náměstí 220/2

Stefan Nemirovski

Lorentz geometry and contact topology

Stefan Nemirovski is a Russian mathematician. He is a principal researcher at the Steklov Mathematical Institute in Moscow and a Wissenschaftlicher Mitarbeiter at the Ruhr-Universität Bochum. Nemirovski was awarded an EMS Prize in 2000 for his contributions to complex analysis in several variables. He was elected corresponding member of the Russian Academy of Sciences in 2008.

MUNI Seminar Series

Lorentz geometry and contact topology

MAY 10 2023, 4:30 P.M.

(COFFEE BREAK FROM 3:45 P.M.)

CHANGE OF VENUE! KOMENSKÉHO NÁM. 2, ROOM 300

STEFAN NEMIROVSKI

Steklov Mathematical Institute & Ruhr-Universität Bochum

Roger Penrose observed four decades ago that the space of light rays of a reasonable spacetime carries a natural contact structure and raised the problem of describing the causality relation of the spacetime in its terms. At about the same time, Daniel Bennequin and Yakov Eliashberg discovered the global rigidity properties of contact manifolds. This has ultimately led to a solution of Penrose's problem - and to further open questions.



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